

U. S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: September 19, 1987

Region II
Response and Prevention Branch
Edison, New Jersey 08837

(201) 548-8730 - Commercial & FTS
24 Hour Emergency

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TAT

POLREP NO.: Eight (8)
INCIDENT/SITE NO.: Arkansas Chemical Company/T9
POLLUTANT: Textile chemicals and intermediates
CLASSIFICATION: Major
SOURCE: Abandoned chemical facility
LOCATION: Newark, New Jersey
AMOUNT: 15,000 containers of various chemicals,
800-1200 drums, 5-10 mixing tanks/outdoor
tanks containing unknown chemicals
WATER BODY: None

1. SITUATION

- A. The Arkansas Chemical Company produced textile and other specialty chemicals at its Newark facility until it was abandoned in 1983. Abandoned on this site are a two-story office/laboratory building (Bldgs. 25/30), a machine shop (Bldg. 26), a small chemical processing building (Bldg. 27), a large four-story chemical process building (Bldg. 28), a boiler room/tank houses (Bldgs. 16 & 16B), storage building (Bldg. 24), and two sheds. About 800-1200 drums and 15,000 small containers of chemicals exist in the buildings on-site. In addition, there are approximately 17 aboveground storage tanks and 70 process tanks and vessels containing unknown quantities



of materials.

- B. There are approximately fifty 55-gallon drums of benzyl chloride (corrosive, poisonous) located in Bldg. 28B that are in various stages of deterioration. Several of the drums are bulging.

2. ACTION TAKEN:

- A. On Monday, September 14, 1987, the OSC received a preliminary report of the EPA/ERT sampling conducted on September 10, 1987 in response to the incident which occurred on the same day. Air samples were analyzed by GC/MS and indicated that there were no air contaminants present in dangerous levels. EPA expects to receive the QA/QC data during the week of September 21, 1987.
- B. Site preparation including: 1) installation of electrical flood lights; 2) removal of excessive site debris; 3) labelling of buildings and outside tanks for logistical purposes; 4) installation of permanent water hook-up; 5) holding pool set-up to contain site liquids; and 6) set-up of decontamination corridors has been completed as of September 19, 1987.
- C. Composite samples of basement water in Building 25 were collected to verify analyses of previous samples. Results are expected on September 25, 1987 with subsequent disposal to take place on October 7, 1987.
- D. A sample of sulfuric acid collected from tank #18 was brought to Essex Chemical for analysis and possible resale. Additional analyses are required before Essex Chemical will accept acid.
- E. Building 25 has been cleared of all fire hazards with the exception of some papers and debris remaining on the second floor.
- F. Sorbents have been placed in alley storm drains to impede migration of contaminants off-site.
- G. Scraping of second floor in Building 28 has begun. Less than one-fourth of the scraping on the second floor has been completed. Collection of floor debris has yielded 8 drums of sludge.
- H. On September 17, 1987, EPA Deputy Administrator, Mr. James Barnes visited the site accompanied by the RA, DRA and DD. The OSC presented the overall objectives of the

site cleanup and a walking tour which identified daily site activities. A videotape presentation of the hazardous materials present on site was viewed by all. The meeting was well received.

- I. The first of four tours to be held for the Newark Fire Department was conducted on September 18, 1987.
- J. EPA has hired Maloney Site Control to provide 24 hour site security replacing Haynes Security which failed to provide adequate service.

3. FUTURE PLANS AND RECOMMENDATIONS:

- A. Air monitoring by ERCS' Health and Safety Officer will continue.
- B. Fence installation to be completed during week of September 21, 1987.
- C. Elevator expected to be operational during week of September 21, 1987.
- D. Scraping/drumming of waste from Building 28 floors will continue.
- E. Sampling of process tanks is scheduled to begin during the week of September 21, 1987.
- F. Three additional tours of the site grounds will be given to the Newark Fire Department.
- G. Awaiting bids from three transportation and disposal firms for lab packing operation which are expected by September 21, 1987.
- H. Continue bid solicitation for empty drum disposal.

4. FINANCIAL ACCOUNTING:

A. Total Project Ceiling Authorized	\$ 1,968,000
B. Mitigation Contract Ceiling	1,600,000
C. Expenditures for Mitigation Contracts	
1. a. Amount obligated to ERCS contractor for Delivery Order #6893-02-073 (DCNs KCS - 361, 629, 63, 710, 730) as of September 19, 1987	425,380
1. b. Estimated expenditures as of September 19, 1987	201,041
1. c. Balance Remaining	224,339

D.	Unobligated Balance Remaining	\$ 1,174,620
E.	Estimate of Total Expenditures to Date for All Mitigation Contracts	201,041
F.	Other Extramural Costs	
	1. a. TAT Salary/Travel (as of 9/19/87)	5,600
G.	Intramural Costs	
	1. a. EPA Salary/Travel	6,500
H.	Total Expenditures	213,141
	Percent of Total Project Ceiling	10.8%
	Percent of \$2 Million	10.7%

FINAL	FURTHER		
POLREP	POLREPS		
TAT)	FORTHCOMING	X	
SUBMITTED BY:		<u>Mark P. Pane</u>	
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		Response and	
		Prevention Branch	

DATE RELEASED: SEPTEMBER 23, 1987